

=> b reg
FILE 'REGISTRY' ENTERED AT 14:34:09 ON 11 JAN 2011
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STRUCTURE FILE UPDATES: 10 JAN 2011 HIGHEST RN 1258930-61-8
DICTIONARY FILE UPDATES: 10 JAN 2011 HIGHEST RN 1258930-61-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

Please note that search-term pricing does apply when
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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

```
=> d que sta l14
L5      STR
      5   6
      G2^G3
      }   }
      }   }
Cy^G1^Hy^^N~~G2
1   2   3   4   7
```

```
VAR G1=O/N/S
REP G2=(1-3) C
VAR G3=C/N
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS E4 C E2 N AT 3
```

```
GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 7
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```
STEREO ATTRIBUTES: NONE
L6      1749673 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 46.195/RID AND
      NRS>=3
L14      26410 SEA FILE=REGISTRY SUB=L6 SSS FUL L5
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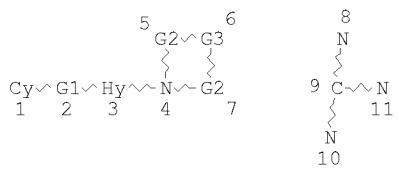
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100.0% PROCESSED 1749673 ITERATIONS          26410 ANSWERS
SEARCH TIME: 00.00.12
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      }   }
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Cy^G1^Hy^^N~~G2
1   2   3   4   7
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VAR G1=O/N/S
REP G2=(1-3) C
VAR G3=C/N
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS E4 C E2 N AT 3
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GRAPH ATTRIBUTES:
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 NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE
 L6 1749673 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 46.195/RID AND
 NRS>=3
 L14 26410 SEA FILE=REGISTRY SUB=L6 SSS FUL L5
 L16 STR



VAR G1=O/N/S
 REP G2=(1-3) C
 VAR G3=C/N
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 DEFAULT ECLEVEL IS LIMITED
 ECOUNT IS E4 C E2 N AT 3

GRAPH ATTRIBUTES:
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 NUMBER OF NODES IS 11
 STEREO ATTRIBUTES: NONE
 L18 16 SEA FILE=REGISTRY SUB=L14 SSS FUL L16

100.0% PROCESSED 18 ITERATIONS 16 ANSWERS
 SEARCH TIME: 00.00.01

=> b zcap

FILE 'ZCPLUS' ENTERED AT 14:34:28 ON 11 JAN 2011
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FILE COVERS 1907 - 11 Jan 2011 VOL 154 ISS 3
 FILE LAST UPDATED: 10 Jan 2011 (20110110/ED)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2010
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2010

ZCplus now includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2010.

CAS Information Use Policies apply and are available at:

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This file contains CAS Registry Numbers for easy and accurate substance identification.

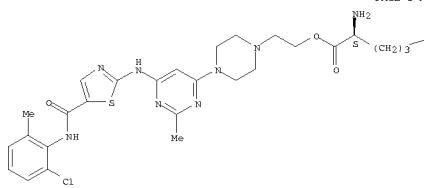
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L22 ANSWER 1 OF 4 ZCPLUS COPYRIGHT 2011 ACS on STN
 AN 2009:1556443 ZCPLUS
 DN 152:97483
 TI Preparation of Dasatinib derivatives as antitumor agents
 IN Wang, Jianmin
 PA Beijing Laibo Sailusen Pharmaceutical Science and Technology Co., Ltd.,
 Peop. Rep. China
 SO Faming Zuanli Shengqing Gongkai Shuomingshu, 25pp.
 CODEN: CNXKEV
 DP Patent
 LA Chinese
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN---101597284	A	20091209	2009CN-010089059	20090722
PRAT 2009CN-010089059				
OS CASREACT 152:97483; MARPAT 152:97483				
GI				

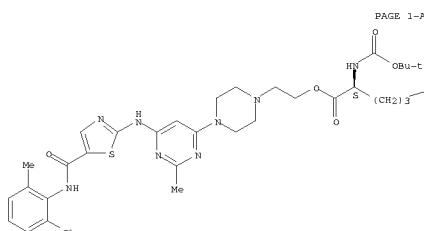
L22 ANSWER 1 OF 4 ZCPLUS COPYRIGHT 2011 ACS on STN (Continued)

PAGE 1-A



PAGE 1-B

RN 1203456-85-2 ZCPLUS
 CN L-Arginine, N2-[(1-(1-dimethylethoxy)carbonyl)-2-[4-[(S-[(2-chloro-6-methylphenyl)amino]carbonyl)-2-thiaacyl]amino]-2-methyl-4-pyrimidinyl-1-piperazinyl]ethyl ester (CA INDEX NAME)
 Absolute stereochemistry.



AB Title compds. [I], wherein R1 = H, (un)substituted alkyl, cycloalkyl, or aryl, etc., and their pharmaceutically acceptable salts thereof, were prepared as antitumor agents. Thus, the invention compound I (R1 = i-Bu) was prepared by esterification of compound II (prepared given) with Boc-L-leucine followed by deprotection.
 IT 1094075-80-5 1203456-85-2P
 RI: PAC (Pharmacological activity); SPP (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses); (drug candidate; preparation of Dasatinib derivs. as antitumor agents)
 RN 1094075-80-5 ZCPLUS
 CN L-Arginine, 2-[4-[(S-[(2-chloro-6-methylphenyl)amino]carbonyl)-2-thiaacyl]amino]-2-methyl-4-pyrimidinyl-1-piperazinyl]ethyl ester (CA INDEX NAME); INDEX NAME;

Absolute stereochemistry.

L22 ANSWER 1 OF 4 ZCPLUS COPYRIGHT 2011 ACS on STN (Continued)

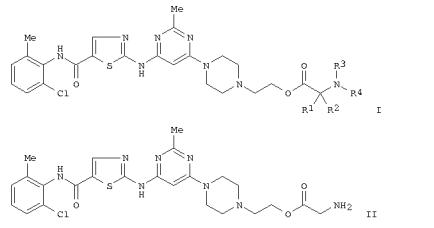
PAGE 1-B



L22 ANSWER 2 OF 4 ZCPLUS COPYRIGHT 2011 ACS on STN

AN 2008:1467949 ZCPLUS
 DN 150:77944
 TI Preparation of Dasatinib amino acid derivatives as antitumor agents
 IN Wang, Jianmin
 PA Beijing, Peop. Rep. China
 SO Faming Zuanli Shengqing, 45pp.
 CODEN: CNXKEV
 DP Patent
 LA Chinese
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN---101314600	A	20081203	2008CN-010111853	20080516
CN---100532381	C	20090826		
PRAT 2008CN-010111853		20080516		
OS CASREACT 150:77944; MARPAT 150:77944				
GI				

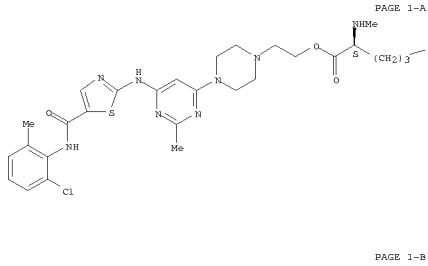


AB The title Dasatinib amino acid derivs. I (wherein R1-R4 = independently H, (un)substituted cycloalkyl, aryl, or aralkyl; or R1 and R2 form an (un)substituted heterocyclyl; with the proviso R2/R1 is iso-Pr when R3(R2), R3, and R4 are L-arginine or D-arginine, and the possible salts, diastereomeric salts, enantiomers, and racemic mixtures thereof were prepared for treating tumor, such as leukemia, myelodysplasia, Hodgkin's disease, non-Hodgkin's lymphoma, etc. For example, II was prepared from reaction of Dasatinib with N-BOC-glycine followed by removing the BOC group. In biol. test, II showed cytotoxicity. Compound II can be used as prodrugs of Dasatinib, producing Dasatinib by enzymatic hydrolysis.)
 IT 1094074-82-4P 1094074-83-5P 1094074-85-7P
 1094074-86-6P 1094075-80-5P 1094075-81-6P
 RI: PAC (Pharmacological activity); SPP (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses); (drug candidate; preparation of Dasatinib amino acid derivs. as antitumor agents)

RN 1094074-82-4 ZCPLUS
 CN L-Arginine, N2-methyl-, 2-[4-[(S-[(2-chloro-6-methylphenyl)amino]carbonyl)-2-thiaacyl]amino]-2-methyl-4-pyrimidinyl-1-piperazinyl]ethyl ester (CA INDEX NAME); INDEX NAME;

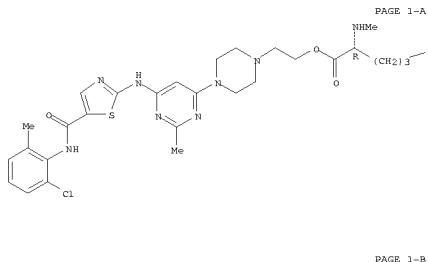
Absolute stereochemistry.

122 ANSWER 2 OF 4 ZCPLUS COPYRIGHT 2011 ACS on STN (Continued)



RN 1094074-83-5 ZCPLUS
CN L-Arginine, N2-methyl-, 2-[4-[6-[(S-[(2-chloro-6-methylphenyl)amino]carbonyl)-2-thiazolyl]amino]-2-methyl-4-pyrimidinyl]-1-piperazinyl]ethyl ester (CA INDEX NAME)

Absolute stereochemistry.

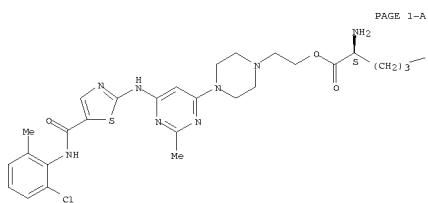


122 ANSWER 2 OF 4 ZCPLUS COPYRIGHT 2011 ACS on STN (Continued)

PAGE 1-B

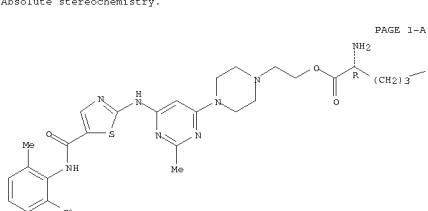
RN 1094074-80-5 ZCPLUS
CN L-Arginine, 2-[4-[6-[(S-[(2-chloro-6-methylphenyl)amino]carbonyl)-2-thiazolyl]amino]-2-methyl-4-pyrimidinyl]-1-piperazinyl]ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



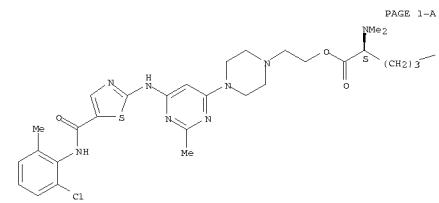
RN 1094075-81-6 ZCPLUS
CN D-Arginine, 2-[4-[6-[(S-[(2-chloro-6-methylphenyl)amino]carbonyl)-2-thiazolyl]amino]-2-methyl-4-pyrimidinyl]-1-piperazinyl]ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



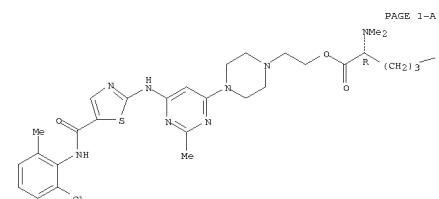
122 ANSWER 2 OF 4 ZCPLUS COPYRIGHT 2011 ACS on STN (Continued)
RN 1094074-85-7 ZCPLUS
CN L-Arginine, N2,N2-dimethyl-, 2-[4-[6-[(S-[(2-chloro-6-methylphenyl)amino]carbonyl)-2-thiazolyl]amino)-2-methyl-4-pyrimidinyl]-1-piperazinyl]ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



RN 1094074-86-6 ZCPLUS
CN L-Arginine, N2,N2-dimethyl-, 2-[4-[6-[(S-[(2-chloro-6-methylphenyl)amino]carbonyl)-2-thiazolyl]amino)-2-methyl-4-pyrimidinyl]-1-piperazinyl]ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



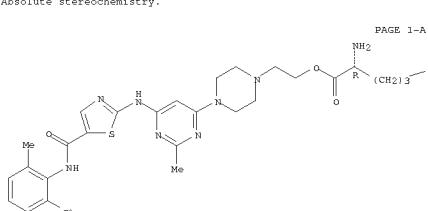
122 ANSWER 2 OF 4 ZCPLUS COPYRIGHT 2011 ACS on STN (Continued)

PAGE 1-B



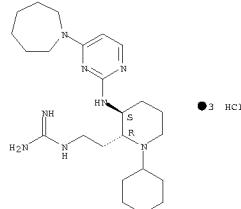
RN 1094075-81-6 ZCPLUS
CN D-Arginine, 2-[4-[6-[(S-[(2-chloro-6-methylphenyl)amino]carbonyl)-2-thiazolyl]amino]-2-methyl-4-pyrimidinyl]-1-piperazinyl]ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



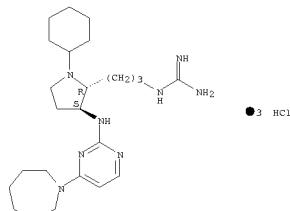
L22 ANSWER 4 OF 4 ZCPLUS COPYRIGHT 2011 ACS on STN (Continued)
 IT 908022-00-4P 908022-01-5P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of 2-aminopyrimidine compds. as CXCR4 antagonists for treatment of AIDS, articular rheumatism, etc.)
 RN 908022-00-4 ZCPLUS
 CN Guanidine, N-[2-((2R,3S)-1-cyclohexyl-3-[(4-(hexahydro-1H-azepin-1-yl)-2-pyrimidinyl)amino]-2-piperidinyl]ethyl]-, hydrochloride (1:3), rel- (CA INDEX NAME)

Relative stereochemistry.



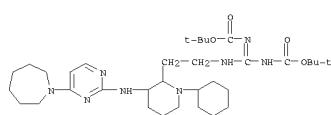
RN 908022-01-5 ZCPLUS
 CN Guanidine, N-[3-((2R,3S)-1-cyclohexyl-3-[(4-(hexahydro-1H-azepin-1-yl)-2-pyrimidinyl)amino]-2-pyrrolidinyl]propyl]-, hydrochloride (1:3), rel- (CA INDEX NAME)

Relative stereochemistry.



IT 908128-54-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of 2-aminopyrimidine compds. as CXCR4 antagonists for treatment of AIDS, articular rheumatism, etc.)
 RN 908128-54-7 ZCPLUS
 CN Carbanic acid, [(1-((2R,3S)-1-cyclohexyl-3-[(4-(hexahydro-1H-azepin-1-yl)-2-pyrimidinyl)amino]-2-piperidinyl)ethyl)amino]((1,1-

L22 ANSWER 4 OF 4 ZCPLUS COPYRIGHT 2011 ACS on STN (Continued)
 dimethylethoxy carbonyl)amino)methylene)-, 1,1-dimethylethyl ester, (N(E))-rel- (9CI) (CA INDEX NAME)



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(FILE 'HOME' ENTERED AT 14:07:41 ON 11 JAN 2011)

FILE 'ZCAPLUS' ENTERED AT 14:08:24 ON 11 JAN 2011
L1 1 US20060217379 /PN

FILE 'REGISTRY' ENTERED AT 14:08:39 ON 11 JAN 2011

FILE 'ZCAPLUS' ENTERED AT 14:08:39 ON 11 JAN 2011
L2 TRA L1 1- RN : 389 TERMS

FILE 'REGISTRY' ENTERED AT 14:08:39 ON 11 JAN 2011

L3 389 SEA L2

L4 336 NCNC3/ES AND L3

L5 STR

L6 1749673 46.195/RID AND NRS>=3

L7 50 L5 SAM SUB=L6

L8 STR L5

L9 50 L8 SAM SUB=L6

L10 STR L8

L11 0 L10 SAM SUB=L6

L12 STR L5

L13 0 L12 SAM SUB=L6

L14 26410 L5 FULL SUB=L6
SAV TEM J657C1/A L14

L15 0 L12 SAM SUB=L14

L16 STR L12

L17 0 L16 SAM SUB=L14

L18 16 L16 FULL SUB=L14
SAV TEM J657C1N/A L18

L19 0 L18 AND L3

L20 113 L3 AND N>=6

L21 112 L20 AND L4

FILE 'ZCAPLUS' ENTERED AT 14:33:36 ON 11 JAN 2011
L22 4 L18

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